

| | Cycle 1 | Cycle 2 | Cycle 3 | Cycle 4 |
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| Year 7 | <p>Title: Cells and Forces</p> <p>Assessment focus: Cell structure, Specialised Cells, Balanced or Unbalanced Forces and Friction</p> <p>Homework focus: Multiple Choice Questions based on previous learning and key vocabulary</p> | <p>Title: Substances and Mixtures and Energy Stores and Transfers</p> <p>Assessment focus: Particle model for solids, liquids and gases, Solutions and separating mixtures, Energy stores and Energy Transfers</p> <p>Homework focus: Multiple Choice Questions based on previous learning and key vocabulary</p> | <p>Title: Inheritance and Atoms, Elements and Compounds</p> <p>Assessment focus: Heredity and the genome, Atoms and molecules, symbols and formulae, Comparing solubility</p> <p>Homework focus: Multiple Choice Questions based on previous learning and key vocabulary</p> | <p>Title: Electric circuits and Sound and Light</p> <p>Assessment focus: Electric current, Electric Force and static electricity, Sound, Light and vision</p> <p>Homework focus: Multiple Choice Questions based on previous learning and key vocabulary</p> |
| Year 8 | <p>Title: Tissues to Organ systems and Chemical Changes</p> <p>Assessment focus: Cells, Tissues and Organ systems, The Digestive system and The Circulatory system. Forming new atoms and rearranging atoms.</p> <p>Homework focus: Multiple Choice Questions based on previous learning and key vocabulary</p> | <p>Title: Understanding Chemical Reactions and Heating and Cooling</p> <p>Assessment focus: Reactions, Combustion and Conservation of Mass, Temperature and Heat, Thermal conduction and Thermal store of energy</p> <p>Homework focus: Multiple Choice Questions based on previous learning and key vocabulary</p> | <p>Title: Variation and Classification and Electrical Energy</p> <p>Assessment focus: Variation, Fossil evidence, Identifying and classifying, Resistance and Parallel circuits</p> <p>Homework focus: Multiple Choice Questions based on previous learning and key vocabulary</p> | <p>Title: Independence and Motion</p> <p>Assessment focus: Food chains and food webs, Interdependence with Ecosystems, Ecosystem components</p> <p>Homework focus: Multiple Choice Questions based on previous learning and key vocabulary</p> |

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| <p>Year 9</p> | <p>Title: Biodiversity and Human Impact and How we See</p> <p>Assessment focus: Biodiversity, Conservation and sustainability, Seeing in colour, Reflection of light, Refraction of light.</p> <p>Homework focus: Multiple Choice Questions based on previous learning and key vocabulary</p> | <p>Title: Bioenergetics and Health and Disease</p> <p>Assessment focus: Plant nutrition and Photosynthesis and Respiration, Good Health, Bad Health, Lifestyle and Pathogens</p> <p>Homework focus: Multiple Choice Questions based on previous learning and key vocabulary</p> | <p>Title: Energy and Reactions and More about Force</p> <p>Assessment focus: Exothermic and Endothermic reactions, pH scale and Neutralisation.</p> <p>Homework focus: Multiple Choice Questions based on previous learning and key vocabulary</p> | <p>Title: Reproduction and The Periodic Table</p> <p>Assessment focus: Sexual Reproduction, Contraception and Sexual and Asexual Reproduction Trends in physical properties, Atomic model and Periodic patterns</p> <p>Homework focus: Multiple Choice Questions based on previous learning and key vocabulary</p> |
| <p>Year 10</p> | <p>Title: Cell biology, Energy, Electricity and Bonding</p> <p>Assessment focus: Structure and function of cells and organelles, Ionic, Covalent and Metallic bonding, Specific heat capacity and Series and Parallel circuits</p> <p>Homework focus: Revision based home learning, Flash cards, mind maps. Seneca Learning</p> | <p>Title: Cells to organ systems, Particle model and Chemical change</p> <p>Assessment focus: Types and functions of organ systems, types of reactions, electrolysis, Changes of state and temperature</p> <p>Homework focus: Revision based home learning, Flash cards, mind maps. Seneca Learning</p> | <p>Title: Biochemistry, Nuclear physics, energy changes, mains electricity</p> <p>Assessment focus: Respiration and photosynthesis, Exo/endo thermic reactions, electricity linked to homes and businesses, particle physics</p> <p>Homework focus: Revision based home learning, Flash cards, mind maps. Seneca Learning</p> | <p>Title: Forces, Quantitative Chemistry, Infection and Response</p> <p>Assessment focus: Contact and non contact forces, moles and chemical calculations, microbes and types of microbes and the body's defences.</p> <p>Homework focus: Revision based home learning, Flash cards, mind maps. Seneca Learning</p> |

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| <p>Year 11</p> | <p>Title: Chemical Changes, Quantitative Chemistry and Homeostasis/ Response</p> <p>Assessment focus: Reactivity Series, Electrolysis, Relative Masses, Balancing equations, Reflex Arc, Hormones</p> <p>Homework focus: Revision based home learning, Flash cards, mind maps. Seneca Learning</p> | <p>Title: Using Resources, Organic Chemistry, Space</p> <p>Assessment focus: Finite and Infinite resources, Carbon based chemistry and our solar system and its components</p> <p>Homework focus: Revision based home learning, Flash cards, mind maps. Seneca Learning</p> | <p>Title: Review of Key Concepts of Science</p> <p>Assessment focus: PPE and GCSE examinations preparations</p> <p>Homework focus: Revision based home learning, Flash cards, mind maps. Seneca Learning</p> | |
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